

# SAFETY DATA SHEET

Complies with European Regulation EC 453/2010  
Dental use

J.RIPOLL S.L



## Q SOLUTION

Publication date: 05/11/2019  
Review date: 31/10/2019  
Revision number: 6

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE / PREPARED AND OF THE COMPANY / COMPANY

#### 1.1 Product Identification

**Product Name:** Q SOLUTION

**Product Description:** EDTA solution for professional use.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Main identification of use:** Endodontic root canal preparer for use professional.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer:**

J.RIPOLL S.L.  
C/RIO TIETAR Nº20  
POLIGONO EL NOGAL  
ALGETE (MADRID)  
SPAIN

**Supplier:**

J.RIPOLL S.L.  
C/RIO TIETAR Nº20  
POLIGONO EL NOGAL  
ALGETE (MADRID)  
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Email:  
[info@dentaflux.com](mailto:info@dentaflux.com)  
**Emergency telephone:** +34  
916289399

#### 1.4 Emergency telephone

**Emergency telephone:** +34 916289399

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**Classification according to EC Regulation No. 1272/2008**

Acute toxicity, dermal. Category 4

Acute toxicity Oral category 4

Skin corrosion Category 1B

Acute aquatic toxicity. Category 1

**Signal word:** Danger

#### 2.2 Label elements

**Classification according to EC Regulation No. 1272/2008 (CPL)**

**Hazard pictograms:**

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**Signal word:** Danger

**Danger phrases:**

H314: Causes severe burns to eyes and skin

H302: Harmful if swallowed.

H410: Very toxic to aquatic organisms, with lasting harmful effects.

**Precautionary statements**

**Prevention:**     **P280:** Wear gloves / clothing / glasses / protective mask.

**Answer:**         **P305+351+338:** IF IN EYES: Clarify carefully with water for several minutes. Remove contact lenses, If it leads and is easy. Continue rinsing.  
                          **P310:** Call a toxicological control center or doctor immediately.

**Storage:**     **P273:** Avoid release to the environment

**Classification according to Directive 1999/45 / EC**

The mixture has been evaluated and / or verified for physical, health and environmental risks and is the following classification applies

**Classification according to Directive 1999/45 / EC Hazard Pictograms:**



C- Corrosive

**Phrases R y S:**, R34,: Causes burns.

R22 Harmful in contact with skin and ingested.

R50 Very toxic to aquatic organisms.

S26; In case of contact with eyes, wash immediately with plenty of water and accuse the doctor.

S28: In case of skin contact, wash immediately with plenty of soap and water.

S36 / 37/39: Wear suitable clothing and gloves and eye / face protection.

S61; Avoid release to the environment.

**2.3 Other hazards**

**General recommendations:** No information available

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**SECTION 3. COMPOSITION / COMPONENT INFORMATION**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	CAS	EINECS	Content %	Classification according to directive 67/548/EEC	Classification according to Regulation (EC) No 1272/2008 CLP
EDTA, Disodic 2-Hydrated salt	6381-92-6	205-358-3	> 99	R:48/20	Not dangerous
Benzalkonium chloride	68424-85-1	270-325-2	47.5 - 52.5	C,N, R22, R34,R50	Acute toxicity; 4; H302 Skin corrosion 1B; H314 Aquatic cronic; 1; H410

The full text of the R phrases is found in section 16

**SECTION 4. FIRST AID MEASURES**

**4.1 Description of first aid**

**Eye contact:** Immediately flush eyes with plenty of water, also under the eyelid, for at least 15 minutes. Examine the eyes and be treated by medical personnel.

**Skin contact:** Take off immediately all contaminated clothing. In case of contact with the skin, wash immediately and thoroughly with soap and water. Seek medical attention if irritation is present or persists.

**Ingestion:** If swallowed, rinse mouth with water. DO NOT induce vomiting without medical advice. Give the victim a glass of water. Call a doctor or a medical control center immediately. Never give anything by mouth to an unconscious person

**Inhalation:** No specific treatment is required since the material is not dangerous if inhaled. If exposure to excessive levels of dust or gases occurs, take the affected person to a place with fresh air and get medical assistance in case of symptoms such as cough or others. Administer oxygen.

**4.2 Main symptoms and effects, both acute and delayed**

**Eyes:** Causes eye burns

**Skin:** Corrosive, causes skin burns

**Ingestion:** Harmful if swallowed

**Inhalation:** No expected effect

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**4.3** Indication of all medical care and special treatments that must be dispense immediately

**Notes to the doctor:**

Corrosive

**SECTION 5. FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

**Extinguishing media:** Dry powder, Water spray, Foam.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products:** Fuel. Possibility of formation of dangerous vapors by fire in the surroundings. Nitrogen oxides and toxic gases can be produced.

**Explosion hazard:** Not determined

**Explosión de incendio:** Not determined

**Sensible a descarga estáticas:** Not determined

**Sensibilidad frente a impactos:** Not determined

**5.3 Recommendations for firefighters**

**Fire Procedure: General:** Evacuate all personnel; use protective equipment fires.

**Fire fighting equipment:** Use self-contained breathing apparatus

**Other information:** Water spray can be used to cool closed containers. Prevent water penetration of extinction in surface or underground aquifers.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

**Special protective equipment** Use a respirator when the operations performed involve a potential exposure to product vapor.

**6.2 Environmental precautions**

**Water discharge:** Do not allow the product to enter the sewer pipeline or in systems drainage that connect with waterways

**6.3 Methods and material for containment and cleaning up**

**Small spill:** Clean up spills immediately observing the precautions contained in the protective equipment section

**Large spill:** Absorb with an inert, moist and non-combustible material, then wash the area with Water.

**6.4 Reference to other sections**

**Reference to other sections:** Personal protective equipment, see section 8.

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**SECTION 7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**General procedures:** Avoid contact with eyes, skin and clothing.

**Handling:** Use appropriate protective equipment.

**7.2 Conditions for safe storage, including any incompatibilities**

**Shelf life:** Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well ventilated place.

**7.3 Specific end uses**

**Specific end uses:** Dental EDTA solution for professional use.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

**Control parameters:** Not determined

**8.2 Exposure controls**

**Face / eye protection:** Wear eye protection

**Skin protection:** Wear suitable protective clothing and gloves

**Respiratory system protection:** Good ventilation would be sufficient to keep the levels of particles in the air.

**Hygiene measures:** Wash your hands before breaks and immediately after Manipulate the substance.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Physical state:** Liquid

**Color:** Transparent colorless

**Smell:** Slight characteristic smell.

**Ph:** ≈7.2

**Solubility in water:** Totally soluble..

**9.2 Additional information**

No data available

**SECTION 10. STABILITY AND REACTIVITY**

**10.1 Reactivity:**

**Reactivity:** Stable

**10.2 Chemical stability**

**Chemical stability:** Stable when stored and handled under recommendations

**10.3 Possibility of hazardous reactions**

**Hazardous Polymerization:** None

**10.4 Conditions to avoid**

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**Conditions to avoid:** No data available.

### 10.5 Incompatible materials

**Incompatible materials:** Strong oxidizing agents.

### 10.6 Hazardous decomposition products

**Hazardous decomposition products:** Does not decompose if stored in normal conditions.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute

**Notes:** The benzalkonium chloride product that has an acute oral toxicity (LD50) for that of approx. 344mg / kg in rats and an acute skin toxicity (LD50) approx. 3340 mg / kg in limbs with 24h of exposition. It should be used only as indicated by the PPE (personal protective equipment) and only by dental professionals

## SECCIÓN 12. INFORMACIÓN ECOLÓGICA

### 12.1 Toxicity

**Toxicity:** Not determined

#### Aquatic toxicity (acute)

**LC50 – 96 hours:** Not determined

**EC50 – 48 hours:** Not determined

**EC50 – 96 hours:** Not determined

### 12.2 Persistence and degradability

**Persistence and degradability:** Not determined

### 12.3 Bioaccumulative potential

**Bioaccumulative potential:** Not determined

### 12.4 Mobility in soil

**Mobility in soil:** Not determined

### 12.5 Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment:** Not determined

### 12.6 Other adverse effects

**Environmental data:** Not defined

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Disposal method:** Dispose in compliance with government regulation (EC 1975L0442-11/20/2003).

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**SECTION 14. TRANSPORTATION INFORMATION**

**14.1 UN number**

**UN Number:** Not applicable

**14.2 United Nations official designation of transport**

**UN proper shipping name:** Not applicable

**14.3 Transport hazard class (es)**

**Primary Hazard Class / Division:** Not applicable

**Hazard classification:** Not applicable

**14.4 Packing group**

**Packing group:** Not applicable

**14.5 Environmental hazards**

**Marine pollutant # 1:** Not applicable

**14.6 Special precautions for users**

**ADR- Road:** Not applicable  
**RID- Railway:** Not applicable  
**IMDG – Maritime:** Not applicable  
**IATA - Air:** Not applicable

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**Transport in bulk:** Not applicable

**SECTION 15. REGULATORY INFORMATION**

**15.1 Regulations and legislation on safety, health and environment specific to the substance or mixture**

**RoHS:** See Directive on medical devices 93/42 / ECC. Type IIa medical device.

**15.2 Chemical safety assessment**

**Chemical safety assessment:** See section 11

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<b>SECTION 16. OTHER INFORMATION</b>
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**R and / or H phrases (Number and full text)**

Skin Corr., Cat 1B: Skin Corrosion, Category 1B, H314: Causes severe burns to eyes and the skin.

R34,: Causes burns.

R22. Harmful in contact with skin and ingested.

R50 Very toxic to aquatic organisms

**Prepared by:** José Ignacio Ripoll.

**General information:** NA=Not applicable

**Manufacturer Disclaimer:**

FOR DENTAL USE ONLY: Use as directed. Information and recommendations they come from sources (the safety data sheets of the raw materials and the knowledge of the manufacturer) that are considered accurate; however, J.Ripoll S.L . does not guarantee the accuracy of these information or the adequacy of the recommendations, and does not assume any responsibility for any damage arising. The user should review these recommendations, in the context specific to the intended use, and determine if they are appropriate.